GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

DEPARTMENT OF WORKS, SERVICES & TRANSPORTATION

RESEARCH REPORT NO. 43
RESULTS SEAT BELT SURVEY
MAY 23, 1991

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Policy and Planning
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SUMMARY

This Annual Seat Belt Survey, Research Report No. 43 conducted on May 23, 1991 seven months after the survey conducted by Transport Canada, showed a Provincial Average wearing rate of 86.2% up from 84.2% in the October 1990 Transport Canada survey. A total of 2654 vehicles were surveyed a decrease of 31.3% from the amount surveyed in May 1990.

The Government of Newfoundland is participating in a National Occupant Restraint Program approved by the Council of Ministers responsible for Transportation and Highway Safety. The goals of this program were to reach 80% wearing rate by 1990 and 95% wearing rate by 1995. We have reached our 1990 goal and hope to reach our goal of 95% by 1995 through education and enforcement.

Below is a list of the wearing percentages and the number of vehicles surveyed for each area:

Urban - Village Mall - Hotel Newfoundland - Avalon Mall - Janeway Hospital - Bay Roberts - Confederation Building - Clarenville - Grand Falls - Labrador City	84.8%	2188
Highway - Manuels Highway - Roaches Line - Harbour Arterial	92.7%	466
St. John's	83.1%	715
Bay Roberts	83.8%	359
Clarenville	81.5%	496
Grand Falls	92.4%	384
Labrador City	86.3%	234

For all sites where the number of surveyed vehicles exceeded 400, the wearing percentages have no more than a 5% error with at least 95% confidence level.

SPECIFIC SURVEYS

1. Manuels Highway at Intersection of Route 60, E. Walsh: The May 1991 survey, Table 4, indicates an increase in seat belt use to 86.1% from the May 1990 value of 81.0%.

2. Roaches Line Access to Trans Canada Highway, G. Jerrett: The May 1991 survey, Table 5, indicates an increase in seat belt use to 96.3% from the May 1990 value of 87.3%.

3. Pitts Memorial Drive, W.T. Beckett: The May 1991 survey, Table 6 indicates an increase in seat belt use to 94.4% from the May 1990 value of 76.0%.

4. Village Mall, M. Murphy: The May 1991 survey, Table 7, indicates an increase in seat belt use to 80.7% from the May 1990 value of 79.4%.

5. Hotel Newfoundland, D. Shea: The May 1991 survey, Table 8 indicates an increase in seat belt use to 85.0% from the May 1990 value of 67.7%.

6. Avalon Mall, G. Farewell: The May 1991 survey, Table 9 indicates a decrease in seat belt use to 75.0% from the May 1990 value of 76.5%.

7. Janeway Hospital, R. Pottle: The May 1991 survey, Table 10, indicates an increase in seat belt use to 87.5% from the May 1990 value of 82.6%.

8. Bay Roberts, G. Jerrett: The May 1991 survey, Table 11, indicates an increase in seat belt use to 83.8% from the May 1990 value of 77.7%.

9. Confederation Building, G. Tufts: The May 1991 survey, Table 12, shows an increase in seat belt use to 86.7% from the May 1990 value of 85.0%.

10. Clarenville, S. Burt, Lloyd Hiscock: The May 1991 survey, Table 13, shows an increase in seat belt use to 81.5% from the May 1990 value of 65.2%.

11. Grand Falls, D. Higdon, Roland Fizzard, Jim Martin: The May 1991 survey, Table 14, shows an increase in seat belt use to 92.4% from the May 1990 value of 76.6%.

12: Corner Brook: No survey taken.

13. Labrador City, F. Haynes: The May 1991 survey, Table 16, shows an increase in seat belt use to 86.3% from the May 1990 value of 56.4%.

STATISTICAL TABLES

May, 1991

Table 1
May 23, 1991

SEAT BELT SURVEY

AREA: **Provincial**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	130	122	252
25-44	859	526	1385
45-64	463	106	569
65+	70	12	82
TOTAL	1522	766	2288

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	30	14	44
25-44	171	46	217
45-64	82	12	94
65+	11	-	11
TOTAL	294	72	366

WEARING PERCENTAGE

	Male	Female	Total
16-24	81.3	89.7	85.1
25-44	83.4	92.0	86.5
45-64	85.0	89.8	85.8
65+	86.4	100.0	88.2
TOTAL	83.8	91.4	86.2

Table 2
May 23 1991

SEAT BELT SURVEY

AREA: **Urban**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	81	94	175
5-44	684	458	1142
45-64	374	92	466
65+	63	10	73
TOTAL	1202	654	1856

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	27	12	39
25-44	154	39	193
45-64	77	12	89
65+	11	-	11
TOTAL	269	63	332

WEARING PERCENTAGE

	Male	Female	Total
16-24	75.0	88.7	81.8
25-44	81.6	92.2	85.5
45-64	82.9	88.5	84.0
65+	85.1	100.0	86.9
TOTAL	81.7	91.2	84.8

Table 3
May 23, 1991

SEAT BELT SURVEY

AREA: **Highway**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	49	28	77
25-44	175	68	243
45-64	89	14	103
65+	7	2	9
TOTAL	320	112	432

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	3	2	5
25-44	17	7	24
45-64	5	0	5
65+	-	-	-
TOTAL	25	9	34

WEARING PERCENTAGE

	Male	Female	Total
16-24	94.2	93.3	94.0
25-44	91.1	90.7	91.0
45-64	94.7	100.0	95.4
65+	100.0	100.0	100.0
TOTAL	92.8	92.6	92.7

Table 4
May 23, 1991

SEAT BELT SURVEY

AREA: **Manuels Highway at Intersection of Route 60**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	3	4	7
25-44	52	35	87
45-64	17	7	24
65+	4	2	6
TOTAL	76	48	124

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	1	-	1
25-44	10	7	17
45-64	2	0	2
65+	-	-	-
TOTAL	13	7	20

WEARING PERCENTAGE

	Male	Female	Total
16-24	75.0	100.0	87.5
25-44	83.9	83.3	83.7
45-64	89.5	100.0	92.3
65+	100.0	100.0	100.0
TOTAL	85.4	87.3	86.1

Table 5
May 23, 1991

SEAT BELT SURVEY

AREA: **Roaches Line at Intersection with TCH**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	16	5	21
25-44	64	14	78
45-64	65	6	71
65+	3	-	3
TOTAL	148	25	173

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	-	-	-
25-44	3	-	3
45-64	3	-	3
65+	-	-	-
TOTAL	6	-	6

WEARING PERCENTAGE

	Male	Female	Total
16-24	100.0	100.0	100.0
25-44	95.5	100.0	96.3
45-64	95.6	100.0	95.9
65+	100.0	-	100.0
TOTAL	96.1	100.0	96.6

Table 6
May 23, 1991

SEAT BELT SURVEY

AREA: **Pitts Memorial Drive**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	30	19	49
25-44	59	19	78
45-64	7	1	8
65+	-	-	-
TOTAL	96	39	135

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	2	4
25-44	4	0	4
45-64	-	-	-
65+	-	-	-
TOTAL	6	2	8

WEARING PERCENTAGE

	Male	Female	Total
16-24	93.8	90.5	92.5
25-44	93.7	100.0	95.1
45-64	100.0	100.0	100.0
65+	-	-	-
TOTAL	94.1	95.1	94.4

Table 7
May 23, 1991

SEAT BELT SURVEY

AREA: **Village Mall**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	4	3	7
25-44	49	30	79
45-64	11	4	15
65+	8	4	12
TOTAL	72	41	113

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	3	5
25-44	10	2	12
45-64	7	1	8
65+	2	0	2
TOTAL	21	6	27

WEARING PERCENTAGE

	Male	Female	Total
16-24	66.7	50.0	58.3
25-44	83.0	93.8	86.8
45-64	61.1	80.0	65.2
65+	80.0	100.0	85.7
TOTAL	77.4	87.2	80.7

Table 8
May 23, 1991

SEAT BELT SURVEY

AREA: **Hotel Newfoundland**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	1	-	1
25-44	52	34	86
45-64	12	3	15
65+	-	-	-
TOTAL	65	37	102

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	-	-	-
25-44	9	5	14
45-64	3	1	4
65+	-	-	-
TOTAL	12	6	18

WEARING PERCENTAGE

	Male	Female	Total
16-24	100.0	-	100.0
25-44	85.2	87.2	86.0
45-64	80.0	75.0	78.9
65+	-	-	-
TOTAL	84.4	86.0	85.0

Table 9
May 23, 1991

SEAT BELT SURVEY

AREA: **Avalon Mall**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	11	9	20
25-44	35	19	54
45-64	21	5	26
65+	5	3	8
TOTAL	72	36	108

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	4	1	5
25-44	16	4	20
45-64	6	2	8
65+	3	-	3
TOTAL	29	7	36

WEARING PERCENTAGE

	Male	Female	Total
16-24	73.3	90.0	80.0
25-44	68.6	82.6	73.0
45-64	77.8	71.4	76.5
65+	62.5	100.0	72.7
TOTAL	71.3	83.7	75.0

Table 10
May 23, 1991

SEAT BELT SURVEY

AREA: **Janeway Hospital**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	8	16	24
25-44	34	43	77
45-64	24	19	43
65+	1	2	3
TOTAL	67	80	147

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	3	0	3
25-44	6	3	9
45-64	7	2	9
65+	-	-	-
TOTAL	16	5	21

WEARING PERCENTAGE

	Male	Female	Total
16-24	72.7	100.0	88.9
25-44	85.0	93.5	89.5
45-64	77.4	90.5	82.7
65+	100.0	100.0	100.0
TOTAL	80.7	94.1	87.5

Table 11
May 23, 1991

MEAT BELT SURVEY

AREA: **Bay Roberts**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	8	10	18
25-44	70	54	124
45-64	84	30	114
65+	44	1	45
TOTAL	206	95	301

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	6	3	9
25-44	19	1	20
45-64	19	4	23
65+	6	-	6
TOTAL	50	8	58

WEARING PERCENTAGE

	Male	Female	Total
16-24	57.1	76.9	66.7
25-44	78.7	98.2	86.1
45-64	81.6	88.2	83.2
65+	88.0	100.0	88.2
TOTAL	80.5	92.2	83.8

Table 12
May 23, 1991

SEAT BELT SURVEY

AREA: **Confederation Building**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	-	5	5
25-44	63	45	108
45-64	9	2	11
65+	-	-	-
TOTAL	72	52	124

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	1	0	1
25-44	9	7	16
45-64	1	1	2
65+	-	-	-
TOTAL	11	8	19

WEARING PERCENTAGE

	Male	Female	Total
16-24	-	100.0	83.3
25-44	87.5	86.5	87.0
45-64	90.0	66.7	84.6
65+	-	-	-
TOTAL	86.7	86.7	86.7

Table 13
May 23, 1991

SEAT BELT SURVEY

AREA: **Clarenville**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	22	24	46
25-44	144	97	241
45-64	103	14	117
65+	-	-	-
TOTAL	269	135	404

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	9	4	13
25-44	44	13	57
45-64	21	1	22
65+	-	-	-
TOTAL	74	18	92

WEARING PERCENTAGE

	Male	Female	Total
16-24	71.0	85.7	78.0
25-44	76.6	88.2	80.9
45-64	83.1	93.3	84.2
65+	78.4	88.2	81.5
TOTAL	78.4	88.2	81.5

Table 14
May 23, 19910

SEAT BELT SURVEY

AREA: **Grand Falls**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	11	13	24
25-44	153	85	238
45-64	80	9	89
65+	4	-	4
TOTAL	248	107	355

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	-	1	1
25-44	22	-	22
45-64	6	-	6
65+	-	-	-
TOTAL	28	1	29

WEARING PERCENTAGE

	Male	Female	Total
16-24	100.0	92.9	96.0
25-44	87.4	100.0	93.7
45-64	93.0	100.4	93.7
65+	100.0	-	100.0
TOTAL	89.9	99.1	92.4

Table 15
May 23, 1991

SEAT BELT SURVEY

AREA: **Wabush/Labrador City**

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	16	14	30
25-44	84	51	135
45-64	30	6	36
65+	1	0	1
TOTAL	131	71	202

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	2	-	2
25-44	19	4	23
45-64	7	0	7
65+	-	-	-
TOTAL	28	4	32

WEARING PERCENTAGE

	Male	Female	Total
16-24	88.9	100.0	93.8
25-44	81.6	92.7	85.4
45-64	81.1	100.0	83.7
65+	100.0	-	100.0
TOTAL	82.4	94.7	86.3

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